Dean R. Brenner

Dean Brenner is Senior Vice President, Spectrum Strategy & Technology Policy for Qualcomm Incorporated. He directs Qualcomm's global spectrum strategy and its other global technology policy initiatives. He represents Qualcomm before spectrum regulators around the world.

For the past 15 years, he has led Qualcomm's successful efforts to win regulatory approval for many new wireless technologies, including: the world's first deployments of 4G in unlicensed spectrum, LTE-U and LAA; the world's first deployments of supplemental downlink, aggregating paired and unpaired spectrum; the world's first mobile video network deployed on 700 MHz spectrum before the digital TV transition; and, the allocation of numerous spectrum bands for 3G, 4G, and 5G.

Mr. Brenner also has led Qualcomm's bidding team in spectrum auctions in, the United States (Lower 700 MHz), the United Kingdom (L Band), and India (2.3 GHz). In addition, he headed the regulatory team which obtained the approvals to sell Qualcomm's spectrum licenses in all three countries. He was responsible for obtaining the regulatory approvals for Qualcomm's sale of Lower 700 MHz spectrum to AT&T in 2011. He joined Qualcomm in November 2003.

Mr. Brenner received his A.B. degree, <u>magna cum laude</u> with distinction in public policy studies, from Duke University in 1982. He won a prize for the best paper on communications policy, and he was a recipient for four years of a CBS Scholarship. He received his J.D., <u>cum laude</u>, from Georgetown University in 1985.

Mr. Brenner is a member of the Board of Directors of the National Capital Area Chapter of the Alzheimer's Association and the Duke University Library Advisory Board.